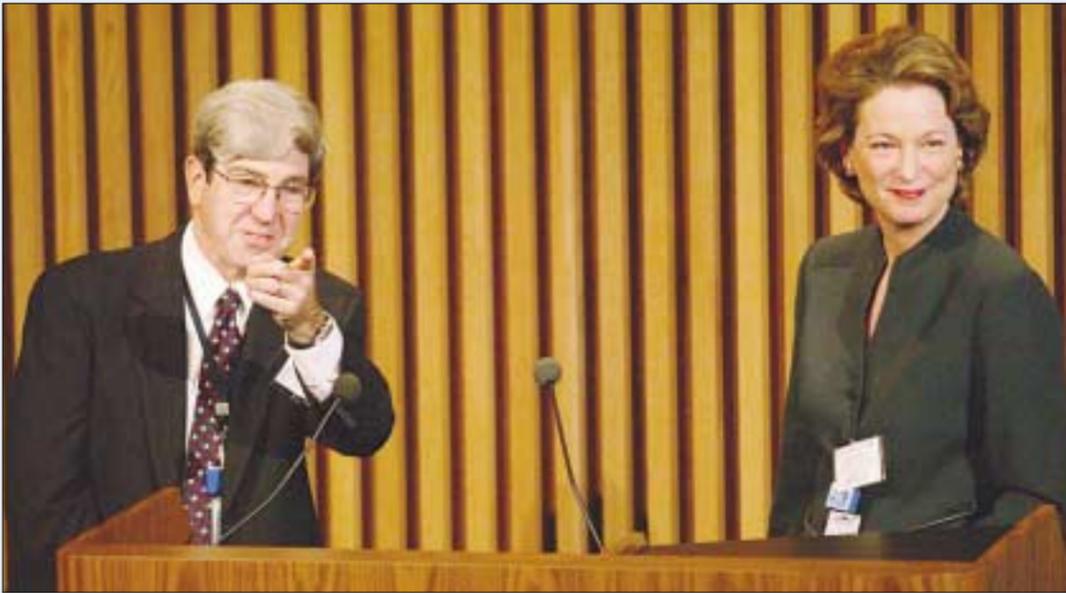




'Atoms for Peace' revisited



JACQUELINE MCBRIDE/NEWSLINE

From left: Ron Lehman, director of the Lab's Center for Global Security Research, and Susan Eisenhower, who delivered the keynote address Thursday at the "Atoms for Peace" conference, which concluded a series of international workshops, answers questions from the audience. Eisenhower is the granddaughter of President Dwight D. Eisenhower. Look for full coverage of the meeting in next week's *Newsline*.

Energy Secretary Abraham announces a 20-year plan for DOE science facilities

In a speech at the National Press Club Monday, Secretary Spencer Abraham outlined the Department of Energy's Office of Science 20-year science facility plan, a roadmap for future facilities to support the Department's basic science and research missions.

The plan prioritizes new, major scientific facilities and upgrades to current facilities, a number of which would involve researchers and capabilities at Livermore.

The 28 facilities cover the range of science supported by the DOE's Office of Science, including fusion energy, materials science, biological and environmental science, high energy physics, nuclear physics and advanced scientific computation.

"This plan will be the cornerstone for the future of critical fields of science in America. These facilities will revolutionize science – and society," Abraham said. "With this plan our goal is to keep the United

See DOE, page 7

David Eaglesham of CMS elected to lead Materials Research Society

By Anne M. Stark

NEWSLINE STAFF WRITER

David Eaglesham, chief technologist in the Chemistry and Materials Science Directorate, has been elected vice president (president-elect) of the Materials Research Society.

MRS is a non-profit organization that brings together scientists, engineers and research managers from industry, government, academia and research laboratories to share findings in the research and development of new materials of technological importance.

Eaglesham's technical interests include electron microscopy, crystal growth, point defect phenomena and sensing. Eaglesham has worked in material science throughout his career and has been at the Lab for more than a year.

Before joining Livermore, he worked at Agere Systems, where he was the vice-president for electronic device research. Prior to that, he was the director of semiconductor research at Bell Laboratories in Murray Hill, NJ, where he oversaw the transition of research and development to



David Eaglesham

technology in the critical sector of Lucent Technologies business. He has a B.S. in chemical physics and a Ph.D. in physics from the University of Bristol.

Eaglesham has been active in the MRS since before he came to the United States in 1988. He was an organizer for a Symposium in Mechanisms of Thin Film Evolution in fall 1993 and was meeting co-chair in spring 1997. He was elected to the board of the MRS in 1998 and served from

See EAGLESHAM, page 7

Revitalized Lab archives serve current research

By Don Johnston

NEWSLINE STAFF WRITER

Editor's note: This second in a series of articles focuses on how to use the Archives and Research Center. The first article ran in the May 9 edition of Newsline.

An expedition to the archives these days yields a lot more than a collection of faded photos, yellowing documents and other dusty curios from the Laboratory's past. Much of the historical data stored within its walls remains of great value to researchers today, from scientists and engineers to historians and administrators.

See ARCHIVES, page 7

New management organization for labs unveiled

As part of its ongoing commitment to strengthen management of Lawrence Livermore, Los Alamos and Lawrence Berkeley national laboratories, the University of California announced Thursday a new management organization that initially includes a strengthened internal organization and a new UC Laboratory Management Council. The organizational changes take effect immediately.

These actions by the University follow the recent appointment of retired Adm. S. Robert Foley as vice president for Laboratory Management and come a week before action is expected to be taken by the



Merna Hurd

University of California Board of Regents to establish a National Security Laboratories Board of Directors.

"This represents a continuation of a series of changes to improve performance that have been undertaken by the University of California over the course of the last year," Foley said. "In addition to the business practice improvements that we have undertaken at the national laboratories, we also want to assure that we have the best and most effective university management in place."

See UC, page 8



**High flying
Veterans Day
talk**
— Page 3



**Roundtable
brings HOME
message**
— Page 5



**Cool science
from Nobel
laureate**
— Page 8



LAB COMMUNITY NEWS

Weekly Calendar

Technical Meeting Calendar, page 4

Saturday
15

America Recycles Day is today. Employees are encouraged to use recycling programs at home and at work. For questions about reducing waste and recycling, employees are encouraged to contact the Pollution Prevention Team through the Earth Hotline, E-ARTH (3-2784).

Tuesday
18

Lab employees are invited to an **Archives and Research Center (ARC) Open House** from 2-5 p.m. today in Bldg. 439 to see some of the many treasures from the Lab's past. ARC staff will be on hand to answer questions about records issues and talk to visitors about their needs and suggestions for the archives. The archives are normally a Q-only area, but special arrangements have been made during the open house to allow access to all clearance levels. Foreign nationals must get approval to visit the archives from their hosts through the Safeguards and Security Foreign Interactions Office. For further information, contact Maxine Trost, 2-6539.

•••

A **Fidelity retirement counselor** will be available today and Wednesday and Dec. 4-5 to assist with: Assessing the current state of retirement accounts, learning how to diversify, planning asset allocation, and identifying income strategies. Fidelity Investments Mutual Funds are available to UC's workplace retirement plan participants in addition to the UC-managed investments pools. Fidelity's program includes 150 mutual fund choices in six categories, stock funds, index funds, asset allocation funds, freedom funds, bond funds and money market funds. If you would like to set up a one-on-one consultation with a Fidelity representative, call 800-642-7131. When calling, be sure to specify that you are an LLNL employee.

Wednesday
19

The Macintosh Technical Seminar Series continues today with a Mac OS X/Darwin Kernel Update. "Basic Building Blocks of the Darwin Kernel at the Heart of Mac OS X," by Jim Magee, Apple Computer. 10:30 a.m., Bldg. 543 auditorium. For further information, contact Duane Straub, 2-9774, straub1@llnl.gov.

Native American history



JACQUELINE MCBRIDE/NEWSLINE

James H. May of Cal State Monterey spoke last week in honor of Native American History Month.

May was the recipient of the 2000 Ely S. Parker Medal, the American Indian Science and Engineering Society's highest award.

May also served as the first Community Technology coordinator for the Smithsonian Institution, National Museum of the American Indian from 2000-2002.

IN MEMORIAM

Norbert Castro

Norbert Castro of Manteca died Nov. 10. He was 74.

Born in Oakland, he served in the U.S. Marine Corps Reserves from 1947 to 1949. He also served in the U.S. Army and U.S. Army Reserves from 1951 to 1956. He was a storeroom supervisor and worked 35 years at the Lab until he retired in 1992.

He is survived by his wife of 48 years, Joyce

Castro of Manteca; his sons, Richard, Bruce, Kenneth, James and Michael; fourteen grandchildren; one great-grandchild; and brother Kenneth.

Services will be held at Holy Sepulchre Cemetery at 1 p.m. today, Nov. 14.

Remembrances can be sent to Hospice of San Joaquin, 2609 East Hammer Lane, Stockton, CA 95210.

Harold Hanhy

Harold H. Hanhy, a Lab retiree, died Oct. 6. He was 94.

Hanhy was one of the first employees hired at the Lab. He was a welder in Plant Engineering and worked at the Lab for almost 20 years before retiring in 1973.

Hanhy served in the Army in the 1920s. While stationed at Schofield Barracks in Honolulu, he was a champion swimmer and diver who competed with Johnny Weissmuller (Tarzan) and Buster Crabbe (Flash Gordon). In the early 1930s, he was transferred to San Antonio, Texas, and became one of the last horsemen in the Army's Mounted Cavalry.

Hanhy moved to California with his wife Pauline and family in 1941, and worked at the shipyards at Mare Island and Hunter's Point. He also worked for Standard Oil in Richmond and Livermore.

Hanhy was instrumental, along with others, in

the formation of Little League baseball in Livermore during the 1950s, and he managed a team for a number of years. Upon retirement from the Lab, he and his wife moved to Modesto and then Donald, Ore., where he spent the last five years of his life, raising llamas.

His wife of 52 years, Pauline, and his son, Lenny, preceded Hanhy in death. Survivors include his children; Jackie, Bunny, Pauline, Harold Jr., and Pam; sisters Barbara, Priscella and Toni; 22 grandchildren, and many great-grandchildren and great-great grandchildren. He also leaves his friend Connie Coe from Miyasaki, Japan.

No services or memorials will be held at Hanhy's request; contributions in his memory may be sent to the American Lung Association or cancer research.

Newslines

Newslines is published weekly by the Internal Communications Department, Public Affairs Office, Lawrence Livermore National Laboratory (LLNL), for Laboratory employees and retirees.

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LAB TV

BROADCAST
SCHEDULE

Director's Distinguished Lecturer William D. Phillips, Nobel laureate in physics in 1997, talk "Almost Absolute Zero: The Story of Laser Cooling and Trapping," will be broadcast on Lab Channel 2 Thursday, Nov. 20, at 10 a.m., noon, 2, 4, and 8 p.m., and on Friday, Nov. 21, at 4 a.m.

Lionel "Lou" Hill Jr.

Lionel "Lou" Hill Jr., a 25-year Laboratory employee, died Nov. 1. He was 49.

A Napa native, Hill's career was spent in various positions within the Lab's Material Distribution Division, most recently as a traffic analyst. His hobbies included cars, baseball, music and cooking.

Hill is survived by his wife, Jan; his children, Laurie, Lou III, and daughter-in-law, Brie; his grandchildren Brandon and Carly; and his stepchildren, John and Gina.

In lieu of flowers, his family has requested donations be made to Kaiser Hospice of Vallejo, 975 Sereno Drive, Vallejo, CA 94589.

AROUND THE LAB



Sakaldasis reflects on distinguished career

30-year veteran recalls life as a U.S. Air Force B52 bomber navigator

By Anne M. Stark

NEWSLINE STAFF WRITER

When George Sakaldasis attended San Francisco State in the mid-1960s, it wasn't always easy to simply walk across campus. With the sit-ins and other unrest going on at college campuses being an ROTC student was not always the most popular position to be in.

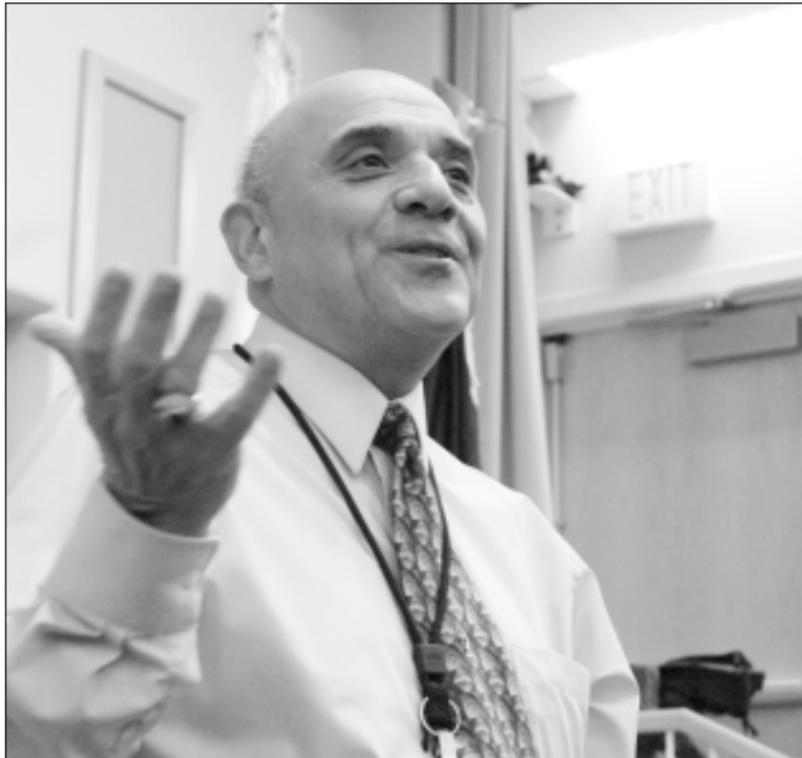
"That was where I got my first 'combat experience,'" said a winking Sakaldasis, a retired Air Force colonel who is now the assistant director of military affairs for the Lab's National Security Office. "Getting to ROTC class was not easy."

Sakaldasis recalled his 30 years of experience in the Air Force during his talk "From Second Lieutenant to Veteran — 30 years of Service: AKA My Big Fat Greek Air Force Life," Tuesday before a nearly full Bldg. 361 auditorium audience in honor of Veterans Day. LLNL's Armed Forces Veterans Network Group sponsored the talk

As a master navigator in the USAF, Sakaldasis logged more than 3,400 hours of flying and flew 99 combat missions in Southeast Asia. "I decided early on that I wanted to fly bombers," he said, recalling an experience in 1965 while attending SFSU where he saw contrails in the sky over San Francisco and knew they had to have come from something other than an airline jet.

"Those contrails were all from B52s, the next day the paper read 'Atomic Armada Flies Over San Francisco' and that convinced me I'm going to be in B52s."

Sakaldasis went into active duty on July 25,



JACQUELINE MCBRIDE/NEWSLINE

George Sakaldasis, assistant director of military affairs for the Lab's National Security Office, recalled his military career during a Veterans Day talk sponsored by the Lab's Armed Forces Veterans Network Group.

1966. From there, he went to navigator training at an air base near Sacramento. While competing with Air Force Academy graduates and washed out pilots, Sakaldasis, an ROTC liberal arts major, had his work cut out for him. "It wasn't too fair," he said.

But as he progressed through further training and rose to No. 2 in his class, he was offered a chance to fly F4 fighter planes. However, some Strategic Air Command officers called him out and said 'we don't want you to go to fighters.' Right then, I knew I was destined for B52s," he said.

Sakaldasis was shipped out to a base in the upper Michigan peninsula and soon learned what it meant to be on "alert." That's the time when a bomber pilot lives at a facility on the

base for seven days and seven nights with his or her bomber sitting just outside of the facility so that at any moment's notice the pilot could be deployed.

"You could open the bomb bay and see the nuclear bombs right there," he said. He was never called on during an "alert" to deploy.

However, Sakaldasis said there were "two times the Cold War got hot for me." One was in Southeast Asia as he was flying a combat mission near the North Vietnamese-Laotian border. F4 fighter pilots accompanied his B52 and two others as they flew to the site. They noticed some unusual moves by the F4s and were told to retreat. Later, Sakaldasis asked what happened when a colleague, who was also on the mission replied, "We took on MiGs (Soviet fighter planes) that were coming toward us to kill us."

The other hot period came during the Yom Kippur War of 1973 when again Sakaldasis was called to be on nuclear alert. "The Russians were about to go into Egypt," he said. "We went on nuclear alert. I was told where my targets were in Russia." Luckily, no one was deployed, he said.

Sakaldasis went on to work at the Pentagon on the MX Missile Program and was named director for programs of the Strategic Air Command.

He said a highlight of his military career was the camaraderie among fellow pilots and meeting his wife Joanne, who also served in the Air Force. They married in December 1969.

His military decorations include the Defense Superior Service Medal; the Legion of Merit; the Meritorious Service Medal with two oak leaf clusters; the Air Medal with three oak leaf clusters; and the Air Force Commendation Medal with one oak leaf cluster. He also received the Department of Energy Award of Excellence for Defense Programs. The talk was sponsored by LLNL's Armed Forces Veterans Network Group.



JOSEPH MARTINEZ/IBIS

Lab Honor Guard flag to fly in Baghdad

Dianne Buckhout of Computation receives a flag on behalf of the Protective Force Division's Honor Guard from Sgt. Ray Harvey in a brief Rose Garden ceremony Nov. 3. Buckhout, an Air Force Reserve medic, took the flag with her to Baghdad, Iraq this week for her 60-day tour of duty. A veteran of Desert Storm, Buckhout will return with the flag at the end of her tour with the 349th Medical Squadron at Baghdad International Airport.

On accepting the flag, Buckhout said: "I accept this flag on behalf of all Lawrence Livermore Laboratory veterans and will return it to the Lawrence Livermore Honor Guard upon my return. I will fly this flag at Baghdad International (Iraq) not as a victorious flag but as a flag representing the ideals of freedom with the Iraqi people who are now free to pursue their own destiny. May they be successful in their new journey."



NEWS YOU CAN USE

New software quality assurance policy approved

The LLNL institutional Software Quality Assurance (SQA) Policy was approved Oct. 3.

The objective of the institutional SQA Policy is to create high confidence in the performance, cost, and schedule of software products and to ensure compliance with customer software quality requirements. Trish Larson, director of the Center for Applications Development and Software Engineering (CADSE) in the Computation Directorate will lead this effort as the LLNL SQA manager.

The goal is to develop and implement a multi-tiered, risk-based approach that is tailored to individual project risks and SQA needs, aligns with the Laboratory's Quality Assurance Program and is consistent across the Laboratory.

Each directorate has appointed one or more individuals to serve as members of the newly established SQA Steering Committee (listed below). The committee will develop an SQA Implementation Plan (IP) based on existing standards and current LLNL practices to ensure value to current and future projects. Completion of an institutional IP is expected by the end of December.

Look for additional information in next week's *Newsline*. For the complete administrative memo, check the Web: <https://www-r.llnl.gov/portal/intranet/news/admin-memos.html>.

SQA Steering Committee

LLNL SQA Manager — Trish Larson
 Administration and Human Resources — John Lee, Renee Breyer
 Biology & Biotechnology Research Program — Art Kobayashi
 Chemistry & Materials Science — Sharon Beall, Theresa Healy
 Chief Financial Officer — Chuck Abell
 Computation — Jeff Long
 Defense & Nuclear Technologies — Cynthia Nitta, Evi Dube
 Director's Office — Steve Greenwood
 Energy & Environment — Jim Costa, Shawn Larson, Joe Tull
 Engineering — Barbara Campbell, Bob Ferencz, Carolyn Owens, Rob Sharpe
 Institutional Information Technology — Mark Graff
 Laboratory Services — Tom Brengle, Jacqueline Peila
 National Ignition Facility Programs — Paul Vanarsdall, Kim Minuzzo
 Nonproliferation, Arms Control, & International Security — Eric L. Davies
 Physics & Advanced Technologies — Eugene Brooks
 Safeguards & Security — Doug Coffland
 Safety & Environmental Protection — John Palmer, Howard Wong
 Glenn L. Mara, deputy director for Operations

Sitewide self help drill rescheduled

The sitewide evacuation (self-help) drill originally scheduled for the week of Nov. 17 has been postponed. The drill is scheduled to take place the week of Dec. 1.

The drill is designed to ensure employees at both the Livermore site and Site 300 demonstrate knowledge of their local evacuation and muster procedures. The drill will only consist of facility evacuation, muster and reporting. For more information on the drill, contact Sue Broadway, 4-3759.

Technical Meeting Calendar

Friday
14

INSTITUTE FOR GEOPHYSICS & PLANETARY PHYSICS

"The Birth of Neutron Stars," by Todd Thomas, UC Berkeley. Noon, Bldg. 319, room 205. Contact: Wil van Breugel, 2-7195, or Sharon Taberna, 3-6290.

INSTITUTE FOR SCIENTIFIC COMPUTING RESEARCH

"Cartesian Grids with Embedded Geometry," by Marsha Berger, Courant Institute, New York University. 10 a.m., Bldg. 451, room 1025 (property protection area). For more information see URL <http://www.llnl.gov/casc/calendar.shtml>. Contact: Andy Wissink, (CASC) 3-5680, or Leslie Bills, 3-8927.

Monday
17

PHYSICS & ADVANCED TECHNOLOGIES/N DIVISION

"High Transverse Momentum Physics at RHIC and Beyond: The Fate of Jets in Hot Dense Nuclear Matter," by Jennifer Klay, Lawrence Berkeley National Laboratory. 3 p.m., Bldg. 211, room 227, (badge required). Contact: Ron Soltz, 3-2647, or Pat Smith, 2-0920.

ENERGY & ENVIRONMENT

"Early Recognition and Medical Diagnostics for Bioterrorism," by Stephen S. Morse, director of the Center for Public Health Preparedness at the Mailman School of Public Health (MSPH), Columbia University. 9:30 a.m., Bldg. 361 auditorium. Contact: Jeff Daniels, 2-0910.

Tuesday
18

DEFENSE & NUCLEAR TECHNOLOGIES/ B DIVISION

"Density and Velocity Measurements in Shock-Induced Mixing Zones, Results Obtained with the Shock Tubes in Bruyères le Châtel and Marseille," by Jean-François Haas from Commissariat à l'Énergie Atomique (CEA). 1:30-3 p.m., Bldg. 123

auditorium, conference room A. Contact: Karnig Mikaelian, 2-5449.

Wednesday
19

ENERGY & ENVIRONMENT

"Navier-Stokes Modeling of Gas, Moisture, and Heat Flow in Yucca Mountain Project (YMP) Emplacement Drifts," by Yue Hao, Environmental Science Division. 1:30- 3 p.m., Bldg. 543 auditorium. Refreshments will be served. Contact: Camille Vandermeer, 3-2672.

MACINTOSH TECHNICAL SEMINAR SERIES

Mac OS X/Darwin Kernel Update. "Basic Building Blocks of the Darwin Kernel at the Heart of Mac OS X," by Jim Magee, Apple Computer. 10:30 a.m., Bldg. 543 auditorium. For further information, contact Duane Straub, 2-9774, straub1@llnl.gov, or Larry Peng, 3-0880, peng2@llnl.gov.

Thursday
20

CHEMISTRY & MATERIAL SCIENCE/MATERIALS SCIENCE & TECHNOLOGY DIVISION

"Ultra-High Optical Power Throughout from a Sub-Wavelength FIB-Fabricated Nano-Aperture," by Lambertus Hesselink, Stanford University. 1:30 p.m., Bldg. 235, Gold Room. (Foreign nationals may attend if appropriate security plan is on file which includes Bldg. 235). Refreshments will be served at 1:20 p.m. Contact: Tom Felter, 2-8012, or Rebecca Browning, 2-5500.

INSTITUTE FOR SCIENTIFIC COMPUTING RESEARCH

"A Data Grid Framework for Managing Planetary Science Data," by Daniel Crichton, Jet Propulsion Laboratory. 10 a.m., Bldg. 451, room 1025 (property protection area). For more information see URL <http://www.llnl.gov/casc/calendar.shtml>. Contact: Ghaleb Abdulla, 3-5947, or Leslie Bills, 3-8927.

ENGINEERING AND THE CENTER FOR ADVANCED SIGNAL AND IMAGING SCIENCES (C.A.S.I.S.)

"Recent Advancements in Medical Imaging," by Thomas F. Budinger, Lawrence Berkeley National Laboratory. 9 a.m. Sessions will continue on Nov. 21 at 9 a.m., Bldg. 123 auditorium both days (badging required). Contact: Liz Kurzeika, 3-3092, or kurzeika1@llnl.gov.

ENERGETIC MATERIALS CENTER

"Scientific Advancements and Technological Developments of High P-T Neutron Diffraction at LANSCE, Los Alamos," by Yusheng Zhao, LANL. 3:30 p.m., Bldg. 155 room 1101 auditorium. Classified. Contact Joe Zaug, 3-4428, or Sue Stacy, 4-2607.

Friday
21

INSTITUTE FOR GEOPHYSICS & PLANETARY PHYSICS

"The Role of Radiation in Making Meteoritic Organics and False Biomarkers," by Max Bernstein, NASA Ames Research Center. Noon, Bldg. 319, room 205. All attendees must be badged. Contact: Wil van Breugel, 2-7195, or Josie Morgado, 3-4188.

CHEMISTRY & MATERIALS SCIENCE DIRECTORATE

"DNA Methylation: An Achilles Heel of Bacterial Pathogens," by Michael Mahan, Molecular, Cellular, and Developmental Biology, UC Santa Barbara. 10 a.m., Bldg. 132S, room 1784 (Summit Room). Foreign Nationals may attend if approved security plan is on file, which includes Bldg. 132S. Refreshments will be served. Contact: Dave Eaglesham, 2-0486, eaglesham2@llnl.gov, or Julie Sedillo, 3-3506, sedillo3@llnl.gov.

THE HOME PAGE



HOME roundtable features family service agencies

Alane Alcorn

IBIS

Representatives from three HOME Campaign agencies — Tri-Valley Haven for Women, McHenry House Tracy Family Shelter, and Bay Area Crisis Nursery — presented a roundtable discussion on services for families in crisis during a Tuesday brown bag meeting.

The Lab's HOME (Helping Other More Effectively) Campaign is now in its 29th year of raising funds for local and national agencies that feed the hungry, assist the ailing to obtain specific medical services, fight pollution and ease the human condition in hundreds of other ways.

As always, Laboratory employees, contractors and retirees are invited to support their favorite national causes or community agencies such as the three that attended the brown bag session earlier this week. The goal for this year's campaign is \$1.5 million, a modest increase over 2002's finish of slightly more than \$1.4 million.

Tri-Valley Haven for Women, located in Livermore, remains a bulwark of calm despite years of helping women and families through turmoil of every sort. A local shelter for victims of domestic violence, TVH offers the support necessary to help live a life free from violence. Haven representative Vicki Thompson emphasized the support offered to all clients.

Staff members provide education and training to prevent both domestic violence and sexual assault. THV also offers Sojourner House, the only shelter in the Tri-Valley to accept two-parent families and single men with children. Additional TVH information can be found at www.trivalleyhaven.org or by calling 449-5845.

McHenry House Tracy Family Shelter is better known by its former name, McHenry House for the Homeless. This is the title that appears in the current HOME Campaign booklet. Although its name has changed, the agency's mission has not, explained McHenry House director Sandra Trejo.

The House serves heads of households and their families, who suddenly find themselves homeless, with a well-defined program to return to self-sufficiency. Staff members arrange referrals for medical care and addiction treatment, parenting classes, after-school programs, money management classes and other sup-



HOME contributions online

The HOME Campaign has introduced a new online donation option for employees to donate through payroll deduction to the agency of their choice. Any of the hundreds of agencies featured can benefit from your contribution with just a few mouse clicks. Use Internet Explorer as your browser. Follow the link next to the HOME logo on the right side of the portal, https://www-r.llnl.gov/servlet/page?_pageid=54,56&_dad=portal&_schema=PORTAL, or go directly to <http://www-r.llnl.gov/home2003/> and click on "Donate Online."

Professional and volunteer staffs combine their talents to offer 24-hour residential care in a warm, safe, loving, homelike environment for children from birth through 11 years of age. Families receive case management, referrals, and access to resources to assist them. The Website is found at www.bacn.jkmas.com or call 685-6633 for more information.

port groups. Go to the Web at www.mchenryhouse.org or call (209) 835-2328 for history or details.

The Bay Area Crisis Nursery in Concord offers loving care for infants and children buffeted by the worst family emergencies. Sandy Hathaway of BACN detailed ways the Nursery seeks to prevent abuse and neglect of young children by providing support to families who are under stress or in crisis.

HOME Campaign 2003 packets have been distributed to LLNL and Johnson Control employees Lab wide. Volunteer organization team leaders and representatives in each directorate are available to answer questions and to collect completed packets. Call 3-HOME (3-4663) for the name of your HOME representative or to ask questions about the campaign.

Home Campaign contributions as of Nov. 13: \$561,076

Directorate	Total Employees	Employee Contributions	Amount Donated	Percent Participation
Directors Office	193	30	\$20,640.00	15.5
Energy & Environment	328	62	\$20,028.00	18.9
Computation	1039	176	\$82,228.00	16.9
Chemistry & Materials Science	532	58	\$25,756.00	10.9
Safety & Environmental Protection	770	120	\$49,005.00	15.6
Physics & Advanced Technologies	384	51	\$27,231.00	13.3
Defense & Nuclear Technologies	422	66	\$34,870.00	15.6
Lab Services	1464	276	\$76,600.00	18.9
Safeguards & Security	378	25	\$8,325.00	6.6
National Ignition Facility Programs	210	36	\$15,564.00	17.1
Engineering	2228	312	\$131,627.96	14.0
Chief Financial Officer	101	32	\$10,430.00	31.7
Nonproliferation, Arms Control & International Security	268	52	\$25,428.00	19.4
Admin. & Human Resources	236	109	\$26,800.00	46.2
Biology & Biotechnology Research	256	12	\$6,283.00	4.7
Johnson Controls	0	2	\$260.00	N/A
Retirees	0	0	\$0.00	N/A
Others	0	0	\$0.00	N/A
Total Participation	8809	1419	\$561,076	16.1



Birds of a feather

Patti Blasquez of the Lindsay Wildlife Museum of Walnut Creek shows off a one-winged hawk from the Mexican desert region as part of a HOME Campaign brown bag discussion held last week featuring representatives from the Lindsay Wildlife Museum, the California Oak Foundation and Earth Share of California. The HOME Campaign ends in December.

JACQUELINE MCBRIDE/NEWSLINE



CLASSIFIED ADS

See complete classified ad listings at
<https://www-ais.llnl.gov/newsline/ads/>

AUTOMOBILES

1994 - Chevy Silverado 6,700 OBO
 209-649-3771

1995 - Volvo 960 4-door Sedan. Excellent condition. Low Mileage (81K). Dark Green with Tan interior. \$7,250
 925-735-0226

2000 - VW Passat Wagon. VR6. Black. XInt cond. 72k miles. 28k miles on warranty. New tires, brakes, timing belt. CD changer, moon roof, and rack. \$12,900. 925-989-4275

1970 - Chevrolet el Camino Fresh 327 Th350. New brakes, driveline, exhaust and interior. Mechanically Sound. ready for paint, \$4200.00 OBO 209-599-1964

2002 - Ford Escape, Silver XLT, 4WD, V-6, Dk. Grey interior. 36,000 miles. Just like new condition. \$16,500. Pls leave message. 209-754-1990

1987 - SUBARU, 2-door XT Coupe, 5-speed, gray, 116K miles, AC, AM/FM, cassette, one owner. Great commuter car or first car for teen. \$1000/obo. 925-443-6706

1993 - Acura Legend LS Coupe, 4 dr., 5 spd., 161K miles, 6 CD, reliable, runs great. Dk. Green w/tan leather int. Good cond. \$5500.00 925-846-3278

1999 - Jeep Wrangler Sport, 5sp 4.0L, AC, Wilderness Rack, Tow Hitch, CD, Lots of extras!!! Must See!!! \$14,000 obo. Hm 925-294-8804

1978 - Cadillac Eldorado Biarritz Classic, only 4000 manufactured, original owner 68K miles, immaculate, \$15,500 925-846-4888

AUTOMOBILE ACCESSORIES

Ford Heads 351, 302, 289. Ported & polished with three angle grind. Valves 1.875/1.578. Acid Dipped, Magna fluxed and decked. Ready to go \$300. 209-825-0326

Stereo (cassette/AM/FM) from 2001 Honda. \$20. 925-456-0968

Qty 4, 16in stock 99 Ford F-150 Turck Rims and tires w/caps. Tire size P235/75/R16. O.K Tread. \$40.00 obo. Hm 925-294-8804

Chevy Trailblazer floor mats, dash cover, and keyless entry remotes. Take all for \$150. 209-823-0234

BICYCLES

Girls diamond back mountain bike, total of 1 hr. usage, 11 inch frame, 20 inch rims, 21 speed, cost \$250, \$110 / O.B.O 925-449-8806

SEKAI 10-speed Bicycle, Mangaloy Butted Manganese Alloy Tubing Excellent Condition Extra Tires (unused) Quick-lock Wheel Holders 925-828-2304

BOATS

1971 Tahiti Bayliner. 85 Chrysler Force motor. Runs excellent. \$1500 or best offer. 209-234-7483

ELECTRONIC EQUIPMENT

Keypad, Kensington brand, mobile numeric, for Mac/PC laptop with 2 USB ports. Never opened. \$10. Paid \$40. 925-648-0671

Monitor, Sony 17 inch Trinitron Color Multiscan 200ES. Excellent condition. \$75. 925-648-0671

PC: Athlon 2600 XP+ cpu, 512mb ram, 80gb hd, DVD-Rom, Nvidia FX 5600 Ultra video, nic, modem, keyboard, mouse; new. \$800 925-479-0787

25 Inch Fisher Color TV. Excellent Condition. Have pictures if you would like to see. \$75 OBO. 209-823-0234

Microsoft wireless networking equipment for home networking, includes manual, installation CD, etc.

\$40/OBO. 925-485-1988

Microtek 4800 Scanner, Epson 777 Color Printer, \$25 each, 209-854-3418

GIVEAWAY

FREE Gas Lawn Mower - needs cleaning and sharpening but works 925-243-0728

RCA 25 in color console TV. Works and looks good. 925-447-1360

Camper & carpet pad - cab over camper for full size pick up, full bed, water tight. Carpet pad for medium size room. FREE 925-455-1355

Brinkman Smoke N Grill 925-243-0728

Picnic table with attached benches. Heavy duty design. Made it myself. Wood is in very good condition, but could use repainting. 925-606-7389

HOUSEHOLD

Microwave Oven, White, Quasar \$10.00 925-449-1464

GE "Profile" energy-saver refrigerator, \$400, almost new E-Wave microwave, \$35, and oak TV stand with storage drawer, \$45. 925-485-4321

Credenza, with 8.5 inch legs, solid walnut, 68 inches, x 21 inches, x 32 inches high, 4 sliding doors, \$100 925-447-4521

Baby pram - Leeway, vintage, black with white interior. Needs work. Make reasonable offer. 209-833-8306

Shower stall, corner unit, 38 in. across, still in box, 1/2 price, \$150.00 925-455-1355

Oak entertainment center. Fits 32" television, VCR and stereo components. Lots of storage. In great condition. Dimensions 6ft x 17in x 4ft-5in 209-599-0922

Dining table (w/3 leaves) and 6 cane chairs \$125/O.B.O., cherry entertainment center, 5ft. x 4 1/2ft. high \$285/O.B.O., desk \$45/O.B.O. 925-449-8806

Beautiful neutral colored sofa and love seat, like new condition. Located in Manteca. \$250 209-825-1706

Moving boxes and wrapping paper, very clean, only used once for a local move, enough to pack one large household. \$50. 925-447-5623

BEDROOM FURNITURE: Twin-sized headboard, dresser and night stand. Painted yellow, good condition. \$200. 925-833-9228

Toshiba microwave oven, good condition \$15. 925-447-7768

Spa, 4 person Max. Older model, no leaks, good condition. Recently sanded and stained, both pumps rebuilt. 110V. \$500 obo 209-527-7476

Used Toilet - pre-1980 full volume flush toilet in great shape. Yours for \$40. 925-829-8974

Elegant Kessler wrought iron indoor dining set w/6 chrs; powdered-steel patina. Pedastle table w/40x66in. beveled glass top. Like new. \$775. 925-513-8047

Double Oven w/ 4 burner electric stove. Excellent working condition. \$50 obo 209-380-1953

GE WASHER & DRYER (Model #WJSF2070 & DBXR463) 6 mos old; used very little. Cost \$800/pr new, asking \$400/pr. 925-778-2201

Sears California King (used 2 months) original cost \$1150 will sell for \$650/OBO 925-337-0080

Carrier room air conditioner. works barely used. \$40 925-243-0728

Office Chair, steno type..\$5, Mattress plus box springs, King..\$20 925-449-1464

Microwave. Relatively clean. Have too many of them now. \$20. 925-456-0968

Solid Oak Roll Top Desk. Locking top and drawers. Excellent cond. Paid

\$1200, sell for \$500 firm. 925-516-8339

Combi Savvy Z stroller \$50. Avent baby bottles, 5 for \$10. 510-656-3441

Plaid Sofa w/ oak trim on bottom, excellent shape, colors are burgundy, hunter green, blue and gold, \$200. 3 oak bar stools, \$100 209-239-4038

DINING ROOM TABLE - solid oak, 40 x 54 with 18 in. leaf. Medium oak color. \$350 or best offer. 925-449-4003

MISCELLANEOUS

MEGA GARAGE SALE from combined household! Sat & Sun, Nov. 15-16. 8AM - 2PM @ 1116 Riviera Ct., Livermore. LOTS of items PRICED TO SELL!! 925-373-9224

5 gallon plastic buckets \$1.00 each. Free - used faux wood blinds & paper shades. 209-833-8306

Christmas tree, artificial Scotch pine, 6.5 feet, in box, \$25.00, bean bag chair, extra large, burgundy brown \$10.00. 925-447-4521

DeWalt DW744 bench-top 10in. table saw w/folding stand, out-feed, left-side extension supports, dado insert plate/all orig. access. \$200 obo 925-454-8911

Dresser w/2 (2drawer)end tables, dark stained pine \$45.00/O.B.O., Large executive Desk, \$50.00/O.B.O. 925-449-8806

RAY VAC Swimming pool sweeper for gunite pool. Still in box. Paid \$500. Sell for \$250.00. 209-824-9040

1960s Craftmen 10-inch Table Saw on portable stand with extensions - solid cast iron base/extension and Dado cutouts included (but no Dados) \$80.00 510-329-4704

Craftsman/Sears radial arm saw w/stand cabinet, manual and accessories. Saw is in excellent shape, cabinet ok. \$75.00 209-825-0326

Vanity Table with cushioned seat and mirror. Have digital pictures if you want to see. \$60 OBO. 209-823-0234

Black Entertainment Center approx. 30x30 \$30 925-337-0080

Maternity clothes, fall/winter, sz. 8/10. Includes Xmas sweater, jumper, several pants and tops. \$50 for entire box or choose individual items. 925-454-0877

Hooked On Math (a la Phonics). Great learning tool! Barely used (no time to). Orig. \$250+shipping. \$200/OBO or trade for decent iMac. 925-461-5093

Gollum life size replica: On top of a LOTR promo box. Talks and has motion sensor. Retail for \$750 w/o talking device, asking \$500. 925-456-5577

Perfect for the holidays! Mikasa crystal 3-pc nativity set. New in box. Orig. \$300. Asking \$125. 510-208-3266

SAN JOSE SHARKS Sec 215 Row 8. 2 seats \$40 each. Center ice. 11/11 Colorado, 11/13 St. Louis, 11/22 Nashville. All games 7:30 pm. 925-516-7099

MOTORCYCLES

2003 - Kawasaki Ninja Zx-6R, Warranty valid thru 3/2007, only 700 miles, \$7,500 510-861-2340

A black leather Harley Division jacket, new \$400.00 asking \$175.00, black with orange, traditional style jacket, 925-960-1743

1989 - Harley Davidson 883 Sportster; 16K miles; customized for a sleeker look; have all original parts; located in Fremont; MUST SELL; \$4200 OBO 510-793-7074

2003 - Almost new utility trailer w/ two dirt bike mounts, removable lift made by Carson. \$1200 obo 925-443-0408

1999 - KTM 50cc senior pro dirt bike. New chain and piston. Runs great! 209-914-1554

1985 - XR350R well maintained, senior owned, pumper carb, XRs only pipe, Cobra muffler, \$1500 209-838-0304

MUSIC INSTRUMENTS

1960's Gibson A-40 mandolin, very good cond. with case. \$675.00 209-532-5224

Upright bass. Cremona brand model SB-3, spruce top, flamed maple back/sides, ebony board/tailpiece. Padded bag. List \$1300, will sell for \$500. 510-538-1711

PETS & SUPPLIES

Rabbit Hutch, stands 3 ft. off the ground, 4ft. wide x 3ft. deep x 2ft. high, can be divided into 2 cages, \$40.00/O.B.O. 925-449-8806

Dachshund mini, AKC, 9wks, shots, 1Female Silver, Black, & tan Double Dapple \$600 full/\$500 limited CASH Only. 925-513-1786

13 year old quarter gelding, 15.3, safe for all riders, very good looking and a total gentleman. \$3500.00 209-532-5224

Australian Shepherd puppies red merle and red tri, first shots \$300 925-455-6709

18in X 4ft X 2ft plexi-glass iguana cage. \$30.00 Call 510-569-7797

Adopt! Give Rescued Kitties a second chance. Pet Food Express 1436 First, Livermore, Sat & Sun, 1 to 5. 925-447-7777

48 gal. aquarium with oak stand, rocks, filters, light, misc. equipment. \$100 or best offer 925-828-3364

RECREATION EQUIPMENT

Basketball hoop, free standing, adjustable height \$35.00 / O.B.O. 925-449-8806

Rainbow System Redwood Play Structure: 2 swings, slide, trapeze bar, covered castle, tire swing, overhand bars, more. New \$4K. Asking \$2K. 925-484-2173

RIDESHARING

Express your commute, call 2-RIDE for more information or visit <http://www-r.llnl.gov/tsmp>

BERKELEY - Rider/driver needed to complete a four person carpool. Leaves North Berkeley at 7 am. Leaves LLNL at 4:40 pm. 510-524-8332, ext. 2-5949

Concord/Clayton - Rider/driver needed from Concord/Clayton area. Hours 7:30-4:30. 925-672-3482, ext. 2-8917

Manteca - 9/80 schedule. Carpool to start work at 6:45. Drive every 3rd or 4th day. Looking for 2 rider/drivers to complete. Call for details. 209-825-0326, ext. 3-0631.

SHARED HOUSING

Livermore - Large bedroom, living room, private bath available in 3300 sq. ft. home on 5 acres. Shared kitchen, laundry. \$675 per month + utils. 925-454-5348

San Ramon - Furnished room with private bath. Looks like Bed & Breakfast. \$650/mo. Includes utilities & amenities. 925-829-8460

Livermore - Room for Rent \$550, plus 1/3 utilities, 1 mile to LLNL. no smoking/pets 925-989-6138

Livermore - furnished room for rent. Clean/quiet. \$550.00/month. Share utilities 1/3. Mature adult. No pets/no smoking. Deposit required. 925-449-1128

Livermore - Room for Rent \$600 + 1/2 utilities Priv Bath Laundry Full privileges No pets/smoking \$600 Deposit 925-980-0107

Pleasanton - Male non-smoker to share deluxe condo. 2BR, 1B, garage, cabana/pool privileges. \$550/m plus utilities. Available after 1/1/04. 925-447-2076

SERVICES

DAYCARE: Manteca area fun loving environment, activities for all ages, preschool program offered ages: 0-5 209-239-7707

Tahitian Noni Juice and Products. To learn more call 510-364-8457

Home Theatre Systems - High quality custom installation for your home. Very competitive prices. 925-734-6647

CONCRETE-custom, stamped, colored, foundations, restoration, sealing & more. Over 20 years of experience. Free estimates. 408-806-9816

TUTORING in high school and college math and chemistry. 925-443-2095

Firewood - oak - seasoned - \$180/cd delivered. 925 447 8557

TRUCKS & TRAILERS

1994 - Chevy S10 Blazer 4x4, Tahoe LT, A/C, all power, cruise, AM/FM cassette, tilt wheel, roof rack, ABS, 104K miles, \$4,200 925-455-8534

Little Rocker 5th wheel hitch, like new. With all mounting hardware. \$250.00 209-532-5224

VACATION RENTALS

Puerto Vallarta-2 BR/2BA beachfront condo, 2 pools & private beach. Available 12/25/03 -1/1/04 & 1/1/04 - 1/8/04. Price negotiable 209-545-1308

SOUTH LAKE TAHOE - 3 Bedroom 2 Bath Chalet, newly remodeled, nicely furnished, all amenities, close to all skiing, RESERVE NOW! Thanksgiving open! 209-599-4644

Oregon Coast - Spectacular view of Alsea Bay and Ocean from wall-to-wall windows. 4bd, 3 bath, fireplace and deck. Waldport, Oregon 510-483-3745

Maui, HI - Kahana Reef oceanfront 1BR/1BA condominium. Beautiful two-island view, oceanside pool, and BBQs. Low LLNL rates for year-round reservations. 925-449-0761

Tahoe Ski Cabin Membership for the 2003-04 season. Homewood area. Opens Thanksgiving through early April. \$620/season per membership. 925-997-7947

WANTED

Wanted - Accompanist for small church choir/music program. Piano/Keyboard musician needed 1-2x/week. Great way to develop performance skills! 925-560-9657

Siding repairing--We need help with repairing siding of the house with reasonable rate. Plus some other odd jobs. 925-408-5537

I would like to borrow/rent/buy an engine stand (750-1000lbs), portable engine shop crane, and an engine load leveler for the crane. 925-372-0365

Double or full size bed wanted in good condition. 925-606-7389

Services and merchandise listed in *Newsline* are not guaranteed. It is up to the buyer to scrutinize services purchased.

Due to space limitations, *Newsline* may withhold ads that have already run. They will still appear on the Web.

ARCHIVES

Continued from page 1

The "archives" has been renamed Archives and Research Center (ARC) to better reflect its expanding role at the Laboratory.

"We want to emphasize that the archives is not a place to warehouse old records, but a living collection that provides information Lab employees need to do their jobs," said Maxine Trost, the first professionally trained archivist to head ARC.

Those who have not visited the archives recently will find many changes, not the least of which is a new, more comfortable setting. Unneeded equipment and supplies were removed to create space, furniture moved and new carpet installed for the benefit of researchers as well as staff.

New procedures have also been put in place to quickly record, identify and categorize newly arrived material and make it available to researchers. Loan procedures have also been updated and a revised reference procedure is in the final draft stage.

"We are developing new procedures and searching for appropriate software to catalog the materials for easier retrieval," Trost said. "We hope to have much of the catalog information available to the Lab on the Web in the next few years. Similarly, we are developing procedures and software to handle electronic records."

Another important change will be in the way items are cataloged. In keeping with numerous studies on archival cataloging, a system for locating materials by function, creating person, department, or project is being used. "Since an archivist cannot know what subjects researchers are likely to be interested in the future, we must maintain an organization that will allow retrieval of any subject. Organizing materials by "provenance" makes this possible," she said.

Because the archives catalogs documents as bodies



JACQUELINE McBRIDE/NEWSLINE

Ken Wyman displays the mysterious "red rock" housed in the archives. The center is sponsoring a contest asking employees to identify the rock.

of material by the creating function or department, rather than individual items as in a library, it's important to know where material came from, who created them, what the purpose of the records was as well as when and why they were created.

The information surrounding the materials makes

In order to process materials efficiently and make them available to researchers quickly, the archives needs your help. When submitting material to ARC:

- Contact the office before bringing material to make sure the archives is the right place for it.
- Include as much information as possible about the origin and use of the material.
- Make sure collections of documents are as complete as possible.
- Pack the material in order in the boxes, or call ARC staff to help with the packing.

Materials that should be considered for the ARC include:

- Correspondence and memos
- Research files and notebooks
- Annual and progress reports
- Meeting minutes
- Presentation materials
- Biographical materials
- Project planning files
- Brochures and publicity materials
- Procedures and standards
- Scrapbooks and news clippings
- Photographs
- Film and tape footage
- Artifacts

them much more useful to future research. "While the archives is happy to receive single odd, interesting, or amusing letters or objects because they give a bit of the flavor of the Lab's past," Trost says, "the real research value comes from documents and objects within the context of their original creation and use."

Researchers will find that useful information in the archives is not limited to writing histories. Photographs and/or background material from past approaches can improve a current presentation, according to Trost.

Other uses for archival information include: computer simulations can be tested against data from earlier experiments documented in the archives; the legal office can locate information that will protect the Lab from lawsuits; managers can review earlier policies before instituting new initiatives; organizations can find photographs of retiring staff members as sendoff mementos.

ARC staff can work with departments or individuals to determine what is appropriate to the archives, which materials can be discarded, and which should be kept for an additional period of time. Lab employees are invited to an open house from 2-5 p.m. Tuesday, Nov. 18, in Bldg. 439. For more information, contact Trost, 2-6539.

DOE

Continued from page 1

States at the scientific forefront."

The Office of Science priority list for new facilities will help the department plan its potential future scientific investments. The list identifies 12 facilities as near-term priorities. Priority one is ITER, an international collaboration to build the first fusion science experiment capable of producing a self-sustaining fusion reaction, called a "burning plasma."

"The Fusion Energy Program welcomed the news that ITER was number one on the DOE new-facilities list. Fusion researchers at LLNL are already working on ITER-related projects here in the United States and have been sharing results with members of the international ITER team for some time," said David Hill, deputy program leader for Magnetic Fusion Energy at LLNL. "During the past year, FEP scientists have worked with Engineering to review cost estimates for a number of components that the United States may supply to support construction of the ITER tokamak."

Priority two is an UltraScale Scientific Computing

Capability, to be located at multiple sites, which would increase by a factor of 100 the computing capability available to support open scientific research.

Four facilities tied for priority three: the Joint Dark Energy Mission, a space-based probe, being considered in partnership with NASA, designed to understand "dark energy" which makes up more than 70 percent of the universe; the Linac Coherent Light Source that would provide laser-like radiation 10 billion times greater in power and brightness than any existing X-ray light source; a Protein Production and Tags Facility that would mass produce and characterize tens of thousands of proteins per year; and the Rare Isotope Accelerator that would be the world's most powerful research facility dedicated to producing and exploring new rare isotopes not found naturally on earth.

Six other facilities complete the near-term priorities. Eight facilities are identified as midterm priorities and eight as far-term priorities.

The Lab is currently collaborating or will collaborate on a number of projects, including ITER, the LINAC Coherent Light Source, Protein Production and Tags, the Rare Isotope Accelerator, the Linear Collider, the Spalla-

tion Neutron Source, the Double Beta Decay Underground Detector, the Relativistic Heavy Ion Collider and the Integrated Beam Experiment, among others

DOE's Office of Science prepared the list during the past year with input from the scientific community, DOE laboratories and advisory committees. In brief, Office of Science program managers first identified 46 facilities they believed are required for world scientific leadership over the next 20 years.

While it is the Department's intent to give priority to these facilities, many steps need to occur prior to deciding whether and when to propose construction. These include, long-term budget estimates, project research and development, conceptual design work, engineering design work and scientific reviews. In addition, potential funds for the facilities need to be identified within the President's budget priorities, and any proposed projects would obviously be subject to congressional approval.

A number of the facilities would be located at DOE national laboratories because they are upgrades to existing machines. The locations of the remaining facilities would be determined through site selections open to laboratories and universities.

EAGLESHAM

Continued from page 1

1998-2001.

He served on several committees for the MRS including chairing the audit committee. He has been active in MRS publications, including co-editing proceedings and serving as a member of the editorial board of the *MRS Bulletin* since 1999.

"The members have now placed their trust in Dave to steward the society and ensure its continued international leadership role," said Tomas Diaz de la Rubia, CMS associate director. "I have no doubt that Dave's energy and creativity will be a tremendous asset to MRS as it moves into the future.

"This announcement brings tremendous prestige to CMS and to the Laboratory. It is a solid recognition that

the Laboratory continues to hold leadership roles in the scientific community, and in particular, of the increased leadership role of LLNL in the field of materials research."

As CMS's chief technologist, Eaglesham interacts closely with the Engineering and Physics and Advanced Technologies directorates to find avenues to integrate and leverage collaborative work in support of the Laboratory programs.

"The MRS is an outstanding society that is moving to new strengths," he said. "It has grown to become a major force, while largely retaining the flexibility and technical dynamism associated with smaller societies. The interdisciplinary character of MRS is a good match with the Lab, and I think my election reflects on the high regard in which LLNL is held in the international materials community."

Eaglesham is also a member of the American Physical Society, and the Institute of Electrical and Electronic Engineers. He also served as an alternate on the board of directors of the Semiconductor Research Corporation. He

is the author of more than 150 scientific papers and won the MRS Outstanding Young Investigator Award in 1996.

"A strong materials-science discipline is critical to the success of LLNL's stewardship efforts, and this appointment reflects on the world-class quality of the Laboratory's efforts and workforce in this area," said Bruce Goodwin, associate director of Defense and Nuclear Technologies.

Eaglesham's recent interests include developing and coordinating nanoscience and nanotechnology applications for national security and electronics and photonics technology that apply to chemical, biological, and radiochemical sensors and detectors.

MRS, which was founded in 1973, consists of more than 13,000 materials scientists worldwide. The society strongly encourages communication and technical information exchange across the various fields of science affecting materials.



THE BACK PAGE

Nobelist Phillips has laser science down cold

How many fully inflated balloons can you fit into a small Styrofoam ice chest?

A lot more than you might expect, if you first fill the chest with super-cold liquid nitrogen.

Which is exactly what was demonstrated at Wednesday's Director's Distinguished Lecturer Series talk by William D. Phillips of the National Institute of Standards & Technology, as he used kitchen tongs to pull about a dozen frozen, flattened balloons out of the chest and then tossed them into the audience.

Phillips, a 1997 Nobel laureate in physics, discussed the use of lasers to cool atoms to temperatures a few micro-degrees above absolute zero, using a technique known as "optical molasses."

As Phillips explained during an animated presentation — aided by hand-drawn viewgraphs, toy magnets, Far Side cartoons, and a ping-pong ball — an immediate practical application of his work is assuring greater accuracy for atomic clocks.

The lecture will be rebroadcast on Lab TV's channel 2 Thursday, Nov. 20, at 10 a.m., noon, 2, 4, and 8 p.m. and on Friday, Nov. 21, at 4 a.m.



JACQUELINE MCBRIDE/NEWSLINE

DDLS speaker William Phillips flings frozen balloons into the audience.

UC

Continued from page 1

Key among the changes is the creation of two associate vice president positions reporting to the vice president for Laboratory Management — one to oversee laboratory operations and administration and the other to oversee laboratory programs. Robert Van Ness has been named associate vice president for laboratory operations. Van Ness has been with the University of California for the past decade and prior to joining UC he served in senior executive positions both in the federal government and with private industry.

John Birely will fill the associate vice president for laboratory programs position. Birely has held numerous senior leadership positions with the Department of Defense and advising the U.S. Strategic Command and Defense Intelligence Agency.

The new management includes the appointment of Merna Hurd as special assistant to the vice president for laboratory management and the appointment of Buck Koonce as deputy associate vice president for operations. Hurd currently serves as associate deputy director of Strategic Operations at the Lab. Koonce previously worked at the Lawrence Berkeley National Laboratory and has been with the University of California Office

of the President for the past 10 years.

"This is a wonderful opportunity for the laboratories and the University to pull its resources together to meet the various challenges ahead," said Hurd. "Adm. Foley is a very impressive man — I look forward to working with him to help UC achieve its goals."

"Merna's background here at the Laboratory and at the Department of Energy will help UC deal with the upcoming issues regarding contracts," said Director Michael Anastasio.

UC's middle laboratory management is further strengthened with the establishment of four executive director positions that include executive directors for business and finance, contracts and administration, programs, and science and technology. The executive director positions for programs and science and technology will be rotated among staff appointments from the UC-managed national laboratories. The timing and duration of appointments are being determined.

Under the new management model, the University of California is also establishing a Laboratory Management Council that will leverage the professional skills, expertise, experiences and manpower already available in UC's functional organizations to enhance effective and efficient operation of the national laboratories.

"The UC Laboratory Management Council will broaden our outreach and take advantage of

the exceptional resources that are within the University of California," said Van Ness. "The council will allow us to bring the expertise of the University of California's functional operations, including the offices of financial management and human resources and benefits to the management and oversight of the laboratories."

The UC Laboratory Management Council will have the responsibility to develop, issue and implement appropriate corporate policy as well as advise the vice president for laboratory management on numerous issues including effectiveness of internal controls, performance improvements and identified risk areas. In addition, the UC Laboratory Council will participate in key laboratory hires for functional positions.



Traveling resource center helps ill workers

A Department of Energy-Department of Labor Traveling Resource Center will return to the East Bay Tuesday, Nov. 18, Wednesday, Nov. 19, Jan. 20-21 and March 23-24. Representatives will be on hand to assist individuals with claims under the Energy Employees Occupational Illness Compensation Program Act. Workers who need help filling out claim forms can schedule appointments at the Traveling Resource Center by calling toll-free, (866) 697-0841, or drop in during office hours, 8:30 a.m. to 6 p.m. at the Four Points Hotel by Sher-

aton, 5115 Hopyard Road, Pleasanton.

The program helps DOE contractor employees apply for state workers' compensation benefits, if it is determined by an independent physician's panel that the worker sustained an illness caused by exposure to a toxic substance at a DOE facility. Several facilities in the Bay Area have been designated by DOE as locations for prospective worker claims: Lawrence Berkeley Lab, Lawrence Livermore and Stanford's Linear Accelerator Center.

Newsline
UC-LLNL
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